


Arnite® TV6 240

PBT-GF20

DSM Engineering Plastics

Product Texts

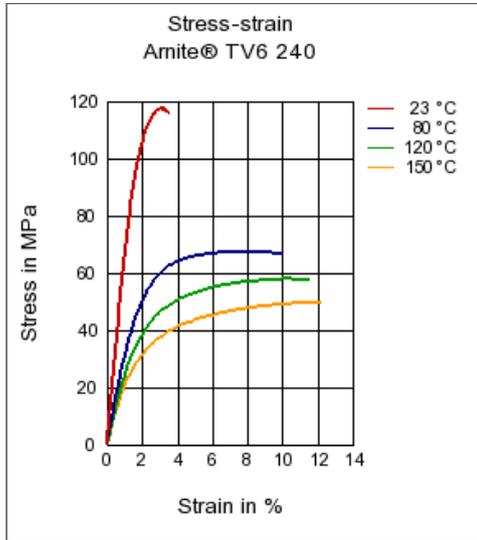
20% Glass Reinforced

ISO 1043 PBT-GF20

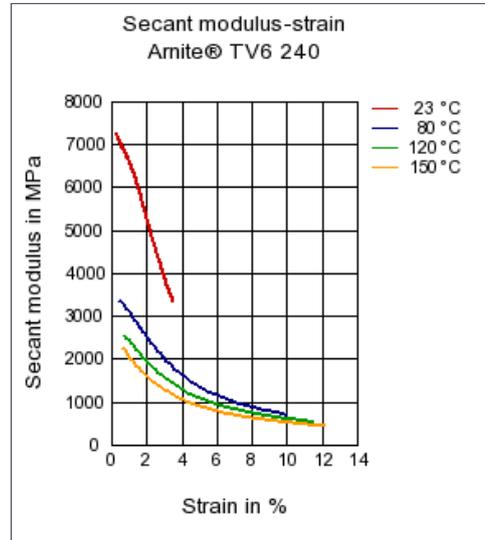
Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	7500	MPa	ISO 527-1/-2
Stress at break	120	MPa	ISO 527-1/-2
Strain at break	3.5	%	ISO 527-1/-2
Charpy impact strength (+23°C)	50	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	50	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	8	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	8	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Melting temperature (10°C/min)	225	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	205	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	220	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	40	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	80	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	IEC 60695-11-10
UL recognition	UL	-	-
Thickness tested	0.8	mm	IEC 60695-11-10
UL recognition	UL	-	-
Electrical properties			
ISO Data			
Relative permittivity, 100Hz	3	-	IEC 60250
Relative permittivity, 1MHz	2.9	-	IEC 60250
Dissipation factor, 100Hz	10	E-4	IEC 60250
Dissipation factor, 1MHz	160	E-4	IEC 60250
Volume resistivity	>1E13	Ohm*m	IEC 60093
Other properties			
ISO Data			
Water absorption	0.3	%	Sim. to ISO 62
Humidity absorption	0.15	%	Sim. to ISO 62
Density	1450	kg/m ³	ISO 1183

Diagrams

Stress-strain



Secant modulus-strain



Characteristics

Processing

Injection Molding

Additives

Release agent

Delivery form

Pellets

Other text information

Injection Molding

[Injection Molding Recommendations](#)